

PTO/SB/08A (08-03)

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STATEMENT BY APPLICANT (Use as many sheets as necessary)

Daniel David Lecloux Et. Al. First Named Inventor 2879 Art Unit **Examiner Name** Attorney Docket Number UC0213 US NA4

			U. S. PATENT D	OCUMENTS			
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear		
1.4.1	-	US- 2002/0045061 A			· ·gares Appear		
Mey		US- 2002/0045061 A	1 04-18-2002	Hosokawa			
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
	_	Country Code ³ Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	ד
Mey		EP 1 215 945 A2	06-19-2002	Sanyo Electric Co. Ltd.		
MOI		WO 99/48160 A1	09-23-1999	Cambridge DisplayTech		
MAY		WO 02/091814 A2	11-21-2002	Princeton Univ. & USC		
Mey		WO 02/101838 A1	12-19-2002	Princeton University		
MEY		WO 02/51206 A2	06-27-2002	Princeton University		Г

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PTO/SB/08b (08-03)

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Application Number

		TION DI			Filing Date	July 02, 2003			
STATEMENT BY APPLICANT				CANT	First Named Inventor	Daniel David Lecloux Et. Al.			
					Art Unit	2079 / 174			
	(Use as	many sheets as	necessary)		Examiner Name	Unknown Yamnitzky			
Sheet		2	of	2	Attorney Docket Number	UC0213 US NA4			
				NON PATE	NT LITERATURE DOCUMENTS	3			
Examiner Initials*	Cite No.1					cle (when appropriate), title of the item (book, s), volume-issue number(s), publisher, city shed.	T²		
Mey		ZHU, LIHU/ level of hole	A et al., A e-transpor	ting metallopl	petween driving voltage a hthalocyanine layer for or 2001, 213-218, 396, Else	nd the highest occupied molecular orbital rganic electroluminescence devices, Thin evier Science B.V.			
May		NAKA, S Janua	HIGEKI e	t al., High ele January 2000	ctron mobility in bathoph), 197-199, 76(2), Americ	enanthroline, Applied Physics Letters, an Institute of Physics .			
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Application Number 10/612,482

Filing Date July 02, 2003

First Named Inventor DANIEL DAVID LECLOUX

Group Art Unit 2879 / 174

Examiner Name UNKNOWN Yawaitzku

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name

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Sheet 1 of 2 Attorney Docket Number UC0213USNA4

	U.S. PATENT DOCUMENTS										
Examiner	Cite		ocument Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where					
Initials *	No.'	Number	- Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear					
Mey		US-	5,545,639 A	08/13/1998	Rabinovitz et al.						
MEY		US-	6,310,360 B1	10/30/2001	Forrest et al.						
HEY		₩	- 2002/0045061 A1	04/18/2002	Hosokawa						
MEY		US -	2002/0055015 A1	05/09/2002	Sato et al.						
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Examiner (Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Initials*	No.1	CountryCode ³ Number ⁴ Kind Code ⁵ (if known)	1444 00 10004	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	т,	
MU		EP 1 097 981 A2	05/09/2001	Sony Corporation			
464		EP 1 215 946 ∧2	06/10/2002	Sanyo Electric Co., Ltd.		0	H
MRY		JP 6-88072	03/29/1994	Idemitsu Kosan Co. Ltd.			П
MH		WO 09/48169 A1	09/23/1000	Combrdige Display Techn			Д
MEY		WO 00/70655 A2	11/23/2000	Princeton Univ&Univ SoCal			П
MLY		WO 02/51206 ∧2	06/27/2002	Princeton University			
Met		WO 02/091814 A2	11/21/2002	Princeton Univ&Univ SoCal			Ħ
Hey		WO 02/101838-A1	12/10/2002	Princeton University			Д
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Substitute for	form 1449B/PTO			Complete If Known				
				Application Number	10/612.482			
INFO	RMATION DI	SCLO	SURE	Filing Date	July 02, 2003			
STAT	EMENT BY A	APPLI	CANT	First Named Inventor	Daniel David Ledoux Et Al.			
				Art Unit	2879 <i>1</i> 774			
	(Use as many sheets as	necessary))	Examiner Name	Unknown Yamnitzky			
Sheet	2	of	2	Attorney Docket Number	UC0213 US NA4			

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
Mey		ZHU, LIHUA et al., A relationship between driving voltage and the highest occupied molecular orbital- level of hele-transporting metallophthalocyanine layer for organic electroluminescence devices, Thirr -Solid Films, 2001, 213-218, 396, Elsevier Science B.V.		
Mey		NAKA, SHIGEKI et al., High electron mobility in bathephonanthroline, Applied Physics Letters, 10 January 2000, 197-199, 76(2), American Institute of Physics		k
Mey		DIETRICH-BUCHECKER, CHRISTIANE et al., Selective and efficient synthesis of di-, tri- and tetrasubstituted 1,10-phenanthrolines, Tetrahedron Letters, 1999, 3395-3396, 40, Elsevier Science Ltd.		
May		THOMAS, K.R. JUSTIN et al., Quinoxalines Incorporating Triarylamines: Potential Electroluminescent Materials with Tunable Emission Characteristics, Chem. Mater., 2002, 2796-2802, 14, American Chemical Society,		
Mey		YAMAMOTO, TAKAKAZU et al., Preparation of New Electron-Accepting → Conjugated Polyquinoxalines. Chemical and Electrochemical Reduction, Electrically Conducting Properties, and Use in Light-Emitting Diodes, J. Am. Chem. Soc., 1996, 3930-3937, 118, American Chemical Society,		
Mey		REDECKER, M. et al., Electron transport in starburst phenylquinoxalines, Applied Physics Letter, July 5, 1999, 109-111, 75(1), American Institute of Physics		

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